NATURAL SETTING

CHAPTER THREE \_ NATURAL SHITTING. (POcahontae County )

Romcoe W. Brown Arbovale TV4

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Sept-21 -1940

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From the stand point of climate Pocahontas might be divided in two parts, that is, highlands and valleys or lowlands. Being a very mountainous country with high elevations and located in the western side of the main Alleghenies, it is subject to severe winters. the valleys, however, being protected on either cide, have less severe winters. Duringlipo, summer menths the weather is ideal seldem averaging over 70 degrees Fahrenheit during July the wermest menth of the year.

Because of the wide range in elevation and the varied directions at which the mountains and valleys lie, climatic differences within the county ore great. Through the western and nothern parts, the winters are cold, and the and the summers are cool with relatively few hot days; the lower Greenbrier hiver valley and the ridge and Valley country to the east have less severe mi winters and considerably higher summer temperatures. With a few exceptione the nights are cool and ideal for sleeping.

The results of killing frosts have been observed in a few places as late as June 20, and considerable frost damage to tender vegetation have been observed even in July and August. Fee along the large streams and valleys in the spring and fall often prevents the severe frost damage that occurs in the adjoining uplands.

The direction of the prevailing air currents and their modifications by thysicgraphy often give a temperature variation of as much as 10 degrees within a distance of one or two miles. The Climate of Pecahentas County is a typical of a great upland mass and characterized by a range of temperature that is sat affected by mearness to the son or other medifying influences.

Since the virgin forest timber is practically , all taken out of Pecahentas - County , the winds have become stronger; the air tends to move lengthwise of the long valley of the Greenbrier River, and the winds are deflected by the topography of the country so that at times they blow at right angles to their normal course winds in general blow harder at high altitudes, at night, and in the winter time,

Cyclones are nota common occurence in Pocahontas County and very few wind esterms and floods that are out of the ordinery.

According to the Weather Bureau etation at Earlinton, eituated at an elevation of 2131 feet, the annual (average) rainfall is 47.26 inches, with average depth of snow 33.7 inches, and the mean temperature is 48.1 F Degrees. This, however, is not representative of conditions in the pleteeu sections of the north-eastern part of the County. The Pickens etation in Kandolph County is more indicative of the north-eastern part of Pocahontas County, it shows an average annual rainfall of more than 60 inches and a snowfall of 100 inches.

The rainfall is well distributed through the year. It is greated during the present summer, when needed for growing crops and pasture, and least in fall and winter.

The heaviest snow fall is usually in January and February.

The average frost-free period reported at Marlinton, is 42 months, between May 16 and Octoberlat The last killing frost reported was June 17 th and the earliest tept 6th. ( these figures are Quoted from the Soil Survey of Pocahontae County issued Feb 1938 ).

It has always been a common naying and belief, by the old farmers of Porahoitas County that the East Wind will kill their buck-wheat or injure it to the extent that it went fill, make straw but not much grain.

S .L . Brown Observer

Year Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec Annual 1893 ..... 5 . 49 1.72 2.91 4.47 | 5.80 .... ... 5.32 1.99 1.91..... 1894 1.81 3.39 1.84 2.06 ... | 2.69 .... 1.84 ..... 1896 1.45 5.26 6.99 1.82 3.74 7.71 7.80 3.28 488 1.22 4.93 1.08 45.76 1597 2.17 5.88 5.21 , 2.85 7.06 5.59 5.65 2.74 0.80 0.95 4.08 4.64 47.62 1898 5.61 1.47 5.23 4.32 5.27 7.50 6.76 9.15 3.33 4.54 3.85 3.71 60.70 1599 3.26 5.23 6.28 1.60 7.68 1.92 2.95 3.43 4.01 1.56 0.83 3.09 41.93 1900 1.99 5.22 4.99 2.25 2.80 5.32 5.69 2.42 2.57 1.90 7.11 2.99 45.18 1901 5.98 0.97 3.06 6.13 5.11 8.77 8.59 8.03 1902..... 3.69 ... ... 1903 ..... 4.04 1.79 4.55 2.98 3.30 1.83 1.52 0.93 2.44 | ... 1904 4.11 3.10 .... 1.12 3.43 2.98 .... 1905 .... .... 3.27 2.05 3.91 7.57 8.25 2.60 .... ...... 1907 1908 3/27 ..322..... 1909 ...... 1.59 3.31 1.90 3.34 .... 1910 4.32 2.75 0.59 2.50 2.67 7.38 7.09 5.58 3.56 2.03 1.14 3.63 48.23 1911 7.21 2.23 4.77 4.48 1.35 1.97 2.07 6.54 3.61 5.96 3.66 3.55 47.40 1912 2.46 2.80 6.12 3.17 4.52 3.45 2.67 1.88 4.56 1.53 2.18 4.20 3954 1913 4.42 2.70 5.80 3.75 5.20 2.85 4.70 3.74 2.02 5.43 3.05 2.75 46.41 1514 2.51 3.19 4:56- 4,58 1.54 2.37 3.73 5.22 1.75 3.70 1.10 5.30 37.53 1915 7.42 4.16 1.33 1.86 3.34 4.46 3.90 4.20 4.10 4.47 2.82 4.18 46.24 15:4 4.69 3.51 4.48 3.10 3.72 5.32 7.17 4.78 4.31 1.90 1.75 3.36 47.88 39.7 1.63 3.67 7. 23 2.70 -4.09 -2.73 - 7.22-2.07 3.30 3.29 .0.94 2.11 45.67costinues on the other steet,

Year	Jan	Feb	Mar	Apr	Hay	រុំ វូមភទ	ិ ភ្និប <b>l</b> y	Aug	Sept	Oct	No v	Dec	Annual
1918	6, 44	2.98	6. 11	6.50	4.38	10.1	L 4.62	5.60	4.73	6. 64	1,92	5.18	63.62
1919	5.84	3.41	4.69	3.11	6.71	7.01	9.20	4.58	1.96	4.43	4.99	5.21	60.54
1920	4.03	2.78	5.04	5.56	3.05	5.53	5.24	8.90	3.40	0.80	4.75	4.37	53. 45
1921	3.48	i.59	3. 49	1.63	3.15	4.14	3.09	3.36	3.45	4, 26	4./44	4, 62	40.700
1922	3.28	5.49	6,13	3.33	5.19	4.66	5.34	6.57	0.95	1.67	1.01	6.26	49.88
1923	4,64	4,11	4.38	4.31	2.78	3.44	5.30	4.89	2.92	1.53	4.01	4. 82	47.13
1924	5.26	3.41	3.65	3.53	6. 49	4.54	5.06	5.85	7.68	0.10	3.11	3.75	52. 43
1925	4.53	1.64	3.94	2.85	2.05	4.38	6. 40	2.48	2.27	6.93	4.16	1.93	43.50
1926	4.93	3.94	4.27	3.68	4.57	3.10	7-03	10.56	3.00	5.44	3.60	7. 40	60.92
1927	2.74	6. 68	2.83	7.84	2.60	4.05	4.56	5.55	1.29	4.28	4.03	4.78	51,23
Heans		3.50	4.30	3.45	3.97	4.74	5.31	4. 90	3.10	3.11	2.93	3.88	47.27
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Days.	4	10	10	11	11	11	14	12	6	7	7.	10	120

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Monthly and Annual Precipitation In Inches at Arbovale. from 1924 to August 1940 no days missing.

H.S. Sutton Observer.

rae	Jan	Feb	Mar	Apr	Мау	June	July	Aug	Sept	Oct	No v	Dec	Annus
1925	1.63	1.64	3.16	2.05	2.83	2.68	6.67	1.23	3.14	4.78	3.36	1.24	37.37
1926	2.97	2.50	2.09	. 48	2.84	2.39	6.49	6.85	3.00	4. 23	3.16	4.76	42.36
1927	2.04	4.96	1.43	6. 58	1.69	3.72	4.31	5.72	1.15	3.72	3.05	3.57	41.94
928	2.22	1.81	2.36	3. <i>5</i> 0	1.59	7.15	5.01	4.73	3,18	1.53	3. 43	1.54	39.05
929	3.09	0.97	2.79	3.30	6.79	3.80	2.30	2. 44	0. 73	6.05	3.95	1.08	36.29
1930	0.76	1.74	2.00	1.96	1.09	2.72	1.48	1.95	1.36	0.50	1.63	2.43	19.62
931	0.97	1.99	2.73	2.02	4.21	3.20	4.88	7.08	2.91	1.11	1.39	2.89	35.38
932	3.73	4.42	4.10	1.80	3.64	3.63	6.41	2.31	1.34	4.17	3. 62	1.86	41.03
933	3.09	3.23	3.92	4.05	5.25	2.52	7.47	3.67	1.59	1.41	0.95	2.26	39.41
.934	2.06	0.00	3.15	2.00	2.40	2.83	2.10	3.37	5.77	1223	4.65	2.08	31.64
1935	2.68	1.75	5.74	2.52	5.88	5.76	6.55	6.58	3.86	130	3.35	1.15	46,92
1936	2.17	1.23	3.30	1.55	2.29	3- <i>5</i> 0	4.83	2.32	2.84	3.78	1.02	3.92	32.85
1937	6.32	1.69	0.69	3.08	2.58	2.90	4. 40	4.00	2.28	7.85	.1.03	0.43	37.23
1938	0.89	2.08	2.28	1.78	5, 41	5.10	2.28	1.93	5.48	0.65	3.93	0.65	32.74
1939	2.70	5.61	3.33	3.89	2.94	4.70	9.48	1.96	1.93	2.31	0.16	1.37	39.74
1940	0.79	1.72	2.90	3.48	5.04	7.82	5.11	4.37					31 23

## monthly and Annual Snowfall in inches at Arbovale from 1924 to April 1940 no days missing. H.S.Sutton Observer.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	No v	Эөс	Annua
1925	22.0	T	T	T	Т					T	Т	2.0	24.00
1926	12.50	15.00	13.0	12.5	0						1.00		54.0
1927	6.00	6.00	•	1.50						5.00	1.50	** • • •	20.
1928	2.00	5.50	15.56	18.00						т	11.00	3.00	55.0
1929	5.00	15.00	6.00	1.50							5.50	11.00	44.0
1930	8.00	3.00	T.	3. <i>5</i> 0						2. 00	5.50	11.50	33.5
1931	5.50	o. 50	19.00	14.50	Т					Ť	T 4	d. 75	44.25
1932	1.00	4.50	9.00	1.25						. 0.50	0.25		16.50
1933	5.00	2.50	5.00	0. 25							9.50	9.00	30.25
1934	2.00	17.0	0 11.00	2.00						. т	1.00	8.50	41.50
1935	18.5	0 4.9	3.00	4.00							- 4.00	26.00	59.5
1936	8.00	16615	o 23200	2.55			• • • • • •			• • • •	2.50	11.00	63.50
1937	2.50	10.5	60 8.00	1.00						1.50	2.50	15.50	41.50
193	4.50	7.00	1.50	1.50			••••				10.00	7.00	31.5
193	27.0	2.50	0.50	1.00		<u> </u>				1.00	9.50	7.50	49.20
194	25.5	0 8.50	2.00	2.00	••••			. Aug.					

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Annual and Monthly Temperature in Degrees showing the Maximum, and - Minimum per menth, during the year, No dates missing from 1925 to 1940 taken at Arbovale by H.S. Sutton Cooperative Observer

EAR	Meximu Minimum	n Jan	Feb	Mar	Apr	May	June	July 62	Aug	Sept	0ct	No v 56	Dec 53
	BRXIMU	46	56	62	82	82	83 42	40	34	42	20	15	04 -
	lininum	-16	8	04	20	26 80	81	89	90	82	80	61	48
	illex -	51	57	60	72	29	36	38	47	44	20	10	6
926	Min -	08	2	95	77	86	81	82	78	82	84	68	58
	13 ax -	56	64	72	18	28	36	38	41_	29	24	18	6
927	Win-	0	20	66	68	76	63	86	86	75	76	58	50
	Hax-	56	51 8	8	16	24	28	42	52	27	12	8	54
928	114 n-	04	48	74	74	77	80	82	78	83	66	64	08
	Max -	57	04	0	21	27	30	34	36_	26	22	06	50
929	MIn-	04	62	58	77	80	88	98	100	87	73	65	-18
	77.7%-	56	-16	2	22_	28	28_	38	32	33	6	4	
1930	Min-	-9	48	59	73	86	92	95	90	86	72	66	58 08
	Max-	50	10	14	26	28	34	48	38	32	22	14	
1931		-13	70	60	70	78	80	82	82	92	65	56	58 8
	Max-	66 14	10	-2	16	29	31	40	42	24	18	0	1 58
1932	Hin-	54	52	56	68	76	82	83	76	83	72	72	-4
1022	Max-	-1	-10 .	01	17	33_	30	34_	39	42_	15	-8	1 48
1933	Man-	52	47	58	70	84	86	92	83	82	76	58	-2
1001		10	-25	-2	16	32	_38	46	39	28	18	10	1 44
1934	23n-   23ax -	58	50	64	72	13	77	78	80	74	1 72	67	-12
1935		-18	01	12	12_	28	36	53	39	26	17_	04	44
7 52	Max-	40	54	62		82 82	82	88	90	90	70		0
1926	Min-	-16	-7	15	12	26	32_	40		28	16	07	1 48
4750	116X-	54	64	58	74	80	84	82	85	80	74	62	
1937	Win-	14	04	ì	18	26	42	38	46	26	16	04	<u>-5</u>
	Max-	48	55	74	76	86	76	78	847		81	66	
1938		02	06	12	18	28	32	44	38	38	16	-16	1-9
	Max-	53	61	68	80	82	95	86	90	86	76	62 8	_
1939		-10	02_	-2_	12	18_	40	36	42	30	13	1 0	10
	Min-	46	40	64	72	82	84	96	80				
1940		-17	-3_	03	10	18	30	33	42				